

Title (en)
PROJECTION VIDEO DEVICE

Title (de)
VIDEOPROJEKTIONSGERÄT

Title (fr)
DISPOSITIF VIDEO DE PROJECTION

Publication
EP 1315028 A1 20030528 (EN)

Application
EP 01958538 A 20010827

Priority
• JP 0107342 W 20010827
• JP 2000256916 A 20000828

Abstract (en)
[origin: WO0219027A1] A projection video device (1000) comprises a light source optical system (121) emitting a source light (122), video display elements (7a-7c) each having a display surface (127) on which a plurality of micromirrors (301) driven according to a control signal indicative of a specified video are arranged to reflect the source light (122) impinging on the display surface (127) toward first and second directions to produce first and second lights (10b), (10a), a prism (6) transmitting the first and second lights (10b), (10a), a projection optical system (8) for projecting the first light (10b) passed through the prism (6), an absorbing section (19) for absorbing the second light (10a) passed through the prism (6), and cooling sections (22, 23, 24) for cooling the absorbing section (19) with a liquid medium (20). The first light (10b) carries information on a specified video, the liquid medium (20) is coupled optically to the prism (6), and the second light (10a) reaches the absorbing section (19) through the liquid medium (20).

IPC 1-7
G03B 21/00; **G02B 5/04**; **G02B 9/18**

IPC 8 full level
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Cited by
ITPS20080025A1; EP4194945A4; CN110716317A; EP3599488A3; US7537349B2; US11006084B2

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